

**LEONARDO RANGEL CASTILLA:** Cerebral aneurysms can be a life threatening disease. 1 in 50 people have a brain aneurysm, and the majority do not know they have one until it ruptures. When an aneurysm ruptures, it causes a serious brain bleed. Around 40% of patients with a ruptured brain aneurysm do not survive. The rest that survive could have a permanent neurological deficit.

At Mayo Clinic we treat more than 8,000 patients each year with a stroke and other rare and complex cerebrovascular disorders. Vascular neurosurgeons perform more than 1,000 procedures for this same condition each year, including cerebral aneurysms. My name is Dr. Leonardo Rangel Castilla. I am a vascular and endovascular neurosurgeon at Mayo Clinic in Rochester. My specialty and focus is brain surgery and minimally invasive treatment of vascular brain disorders, including cerebral aneurysms.

Risk factors for developing aneurysms include smoking, high blood pressure, family history, age over 40, being female, drug use, and head injury. Once a patient has been diagnosed with a brain aneurysm, it is very important that they consult professional care-- ideally a vascular neurosurgeon. Here at Mayo Clinic, we have a state of the art facility and offer top notch treatment, including the latest technology and treatment options that may include microsurgery clip ligation or endovascular embolization.

My job as a vascular neurosurgeon is to select the best, most durable, and less risk treatment for a particular patient and a particular brain aneurysm. Those factors include age, overall health, size, and morphology of the aneurysm. Microsurgery clip ligation involves minimally invasive brain surgery and microsurgery dissection with minimal brain manipulation until the aneurysm is identified. And a metal clip is applied on the aneurysms to pinch off permanently.

We offer the newest and safest technology, including small stents, flow diverters, and neck reconstruction devices. We even do endovascular procedures under conscious sedation without the need of general anesthesia, allowing for a faster recovery. Usually patients go home 24 hours after the procedure.

Myself and the team of experts at Mayo Clinic collaborate with you and your care to make it a smooth and individualized experience. For me to use my mental and manual skills combined with compassion and empathy together to help patients with devastating neurological disease such as a brain aneurysm is a privilege. For more information about brain aneurysms or to request an appointment, please visit [www.mayoclinic.org/brainaneurysm](http://www.mayoclinic.org/brainaneurysm). Thank you for your attention.